Please amend the specification as follows:

In the paragraph beginning at page 12, line 1, please amend as follows:

The combined output signal 77 (eqout) is calculated at step A25:

$$Eqout = (1-K)(eqout1(n)) + (K)(eqout2(n)), \qquad\qquad\qquad (EQ.\ 2)$$

where weighting factor K is between zero and one. The closer K is to zero the more channel 1 signal is dominant. The closer K is to one the more channel 2 signal is dominant. The combined output signal 77 is then fed into a receiver chip 15C. In particular, as illustrated in Figure 3, the signal 77 is fed only into the back-end section 18C, preferably a forward error correction (FEC) unit, for decoding purposes. The output of the back-end section 18C is a desired digital signal 80. This combined signal 80 is of a significantly better quality than a signal 13 illustrated in Figure 3. By combining the two signals with different noises, an approximate 3dB3db gain is achieved. Experimentally, the theoretical threshold of visibility of 14.9 dB SNR is lowered to approximately 12.5 dB with the combination of signals according to the present invention. Moreover, the receiver according to the present invention reduces the probability that the receiver lies in a low field strength area. For example, with n antennae there is n times less chance of being in a field null. Also, the reduced threshold of visibility helps reduce the effect of lower field strength.